

DEVICE FOR THE INTENTIONAL AND CONTROLLABLE DISTRIBUTION OF A LIQUID OR VISCOUS MATERIAL.

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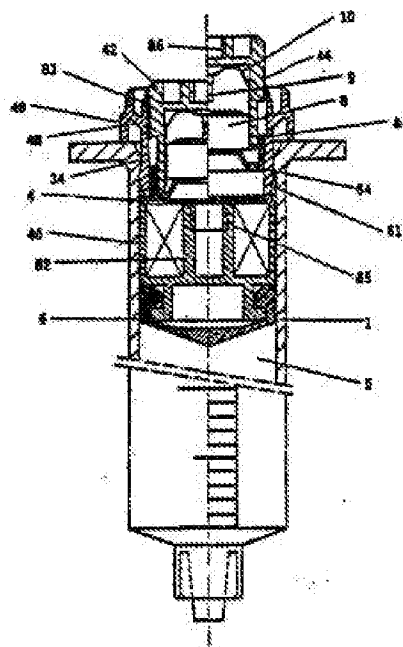
CA2115747 (A1)

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Abstract of corresponding document: **WO 9325841 (A1)**

A device is disclosed for controllably dispensing a liquid or visquous material from a chamber (5) by creating a pressure gas chamber (4) in a container (1) subdivided by a piston (6) by means of electrochemical, tablet-shaped, completely enclosed gas diffusion electrodes, aqueous electrolytes, a gas development cell (8) containing a counter-electrode, an adjusting rheostat (9), and contacts (10) held by a clamping device (12) in the bottom (11) of the container having a detachable and subdivided or non-subdivided design. A vibration-dampening funnel-shaped container cap (2) is totally compliant and shock-proof. The piston seal has a sealing lip (7) monolithically connected to the piston (6) with a space (74) for a film of grease. An alternative embodiment has exchangeable electric elements (8; 9; 10) and refilling device (79).; Other alternative embodiments have a simplified compact design for small sizes or for infusion devices, or are associated with position sensors.



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